What is claimed is:

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1. A method of restoring data, comprising:

providing data in a first storage area of a first type that contains sections of data; providing data in a second storage area of a second type wherein the second type has, for each section of data thereof, at least one of: a pointer to a corresponding section of data of the first storage area and a pointer to corresponding section of data of a third storage area of the first type;

providing data in at least one other storage area of the second type; and
for each particular section of data of the second storage area having a pointer to
the third storage area, providing to a corresponding section of the first storage area an
indirect pointer to a corresponding section of the third storage area if no storage areas of
the at least one other storage area point to the corresponding section of the first storage
area.

- 2. A method, according to claim 1, further comprising:
- for each particular section of data of the second storage area having a pointer to
  the third storage area, providing to a corresponding section of the first storage area a
  doubly indirect pointer to a corresponding section of the third storage area if the at least
  one other storage area points to the corresponding section of the first storage area.

## 3. A method, according to claim 2, further comprising:

causing data to be copied from the third storage area to the first storage area for each section of the first area having associated therewith one of: an indirect pointer and a doubly indirect pointer.

## 5 4. A method, according to claim 3, further comprising:

in response to a particular section of the first storage area having associated therewith a doubly indirect pointer, copying data from the particular section of the first storage area to a new section of the third storage area prior to causing data to be copied to the particular section of the first storage area.

## 10 5. A method, according to claim 1, further comprising:

prior to replacing a corresponding section of the first storage area, disabling access to the first storage area and the second storage area.

## 6. A method, according to claim 5, further comprising:

after replacing a corresponding section of the first storage area for all of the

particular sections of data of the second storage area having a pointer to the third storage

area, enabling read and write access to the first storage area and enabling read access to

the second storage area.

7. A method, according to claim 5, further comprising:

after replacing a corresponding section of the first storage area for all of the particular sections of data of the second storage area having a pointer to the third storage area, enabling read and write access to the first and second storage areas.

- 5 8. A method, according to claim 1, wherein the storage areas are devices.
  - 9. A method, according to claim 8, wherein the sections are tracks.
  - 10. Computer software that restores data to a first storage area of a first type that contains sections of data from a second storage area of a second type that has, for each section of data thereof, at least one of: a pointer to a corresponding section of data of the first storage area and a pointer to corresponding section of data of a third storage area of the first type where there is at least one other storage area of the second type, the software comprising:

executable code that iterates through each section of the second storage area; and executable code that provides to a corresponding section of the first storage area an indirect pointer to a corresponding section of the third storage area if no storage areas of the at least one other storage area point to the corresponding section of the first storage area.

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11. Computer software, according to claim 10, further comprising:

executable code that provides to a corresponding section of the first storage area a doubly indirect pointer to a corresponding section of the third storage area if the at least one other storage area points to the corresponding section of the first storage area.

5 12. Computer software, according to claim 11, further comprising:

executable code that causes data to be copied from the third storage area to the first storage area for each section of the first area having associated therewith one of: an indirect pointer and a doubly indirect pointer.

- 13. Computer software, according to claim 12, further comprising:
- area to a new section of the third storage area prior to causing data to be copied to the particular section of the first storage area in response to a particular section of the first storage area in response to a particular section of the first storage area having associated therewith a doubly indirect pointer.
  - 14. Computer software, according to claim 10, further comprising:
- executable code that disables access to the first storage area and the second storage area prior to replacing a corresponding section of the first storage area.

15. Computer software, according to claim 14, further comprising:

executable code that enables read and write access to the first storage area and enabling read access to the second storage area after replacing a corresponding section of the first storage area for all of the particular sections of data of the second storage area having a pointer to the third storage area.

16. Computer software, according to claim 14, further comprising:

executable code that enables read and write access to the first and second storage areas after replacing a corresponding section of the first storage area for all of the particular sections of data of the second storage area having a pointer to the third storage area.

- 17. Computer software, according to claim 10, wherein the storage areas are devices.
- 18. Computer software, according to claim 17, wherein the sections are tracks.

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